

Product datasheet for **MG222799**

S1pr4 (NM_010102) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	S1pr4 (NM_010102) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	S1pr4
Synonyms:	Edg6; lp; Lpc1; S1; S1p4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG222799 representing NM_010102 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACATCAGTACCTGGTCCAGCTGGTGACCCAGAGTCTGCCACCGGCTGGCAGCCAGCGGCCACA
GCCTCCTCATTGTCTGCACTACAATCACAGCGGCAGGCTGGCCAGCCGCGGGGGCTCTGAGGACGGTGG
AGGGCTAGGGATGCTGAGGGGGCCGTGGTGGCCGAGGTTGCCTGGTGGTGTGGAGAACGCCATGGT
CTGGCCGCATCGCCATCTACATGCGGTCCCGCCGCTGGGTGACTACTGCCTGCTGAACATCACACTGA
GTGACCTGCTCACAGGCCTGGCCTACGTGGTCAACGTGCTGCTGTGAGGACTCGTACCTCCAGCTGTC
ACCGGTGCACTGGTTCCTGCGGGAGGGCCTGCTTTCATGGCCTTGCCGCATCCACCTTCACTGCTGCTC
TTCACGGCCGGCGAGCGCTTCGCCACCATGGTGGGGTGGCTGAGAGTGGGGCCACCAAGACCAGCCGTG
TGTATGGCTGCATCGGTCTGTGCTGGCTACTGGCAGTATCCTGGGCTGCTGCCCTGCTGGGCTGGAA
CTGTGTGTGCGCCTTCCCACGCTGCTCCAGCCTGCTGCCCTCTACTCCAAGGGCTATGTGCTCTTTTGT
GTGGTGGTCTTCGCCCTCATCCTAGTGGTATCCTGAGCCTCTACGGGGCCATCTTTAGAGTGGTCCGAG
CCAATGGGCAGAAGTCTCCACGTCCTCCTGCCCGCAAGTCCCGCAGGCTACTCAACACCGTGTGAT
GATCTTGGTGGCCTTTGTGGTGTGCTGGGTCCCCTGTTTGGCCTGCTCCTGGCTGACATCTTTGGTTCT
AATGCTGGGCCAGGAGTACCTGCGTGGCATGGACTGGATCCTGGCCCTGGCCGTGTTCAACTCAGCCA
TTAATCCTCTCATCTACTCCTTCCGAGCCGTGAGGTGCAGCGCCTGTGCTGGCCTTCTGTGCTGCGG
CTGTCTCTGGCTAGGTCTGCGAGGTCCAGGAGACTGCCTGACCCGGATACCGAGGCCCACTCCGGTGA
TCCACCACTGACAGCTCCCTGAGGCCAGGGACAGTTTTCCGACTTCTCGGTCACTCAGCTTCAGGATGA
GAGAGCCGCTGTCCAGCATTTCCAGCGTCCGAGCACC

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG222799 representing NM_010102
 Red=Cloning site Green=Tags(s)

MNISTWSTLVTPEschRLAASGHSLILVHYNHSGRLASRGGSSEDGGGLGMLRGPSVAAGCLVLENAMV
 LAAIAIYMRSRWVYVYCLLNITLSDLLTGLAYVNVNLLSGTRTFQLSPVHWFLREGLLFMALAASFSL
 FTAGERFATMVRVAESGATKTSRVYGCIGLCWLLAAAILGLLPLLGNVCVAFPRCSLLPLYSKGYVLF
 VVVFALILVAILSLYGAIFRVVRANGQKSPRPPARRKSRRLNTVLMILVAFVVCWGPLFGLLLADIFGS
 NVWAQEYLRGMDWILALAVFNSAINPLIYSFRSREVQRAVLAFLCCGCLWGLRGPDCCLTRITEAHSGA
 STDSSLRPRDSFRTSRSLSFMRREPLSSISSVRST

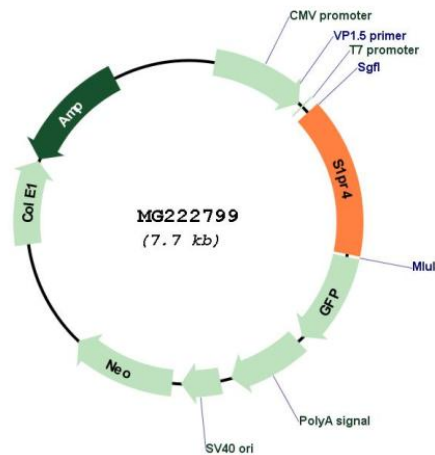
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_010102

ORF Size:	1158 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_010102.2 , NP_034232.1
RefSeq Size:	2393 bp
RefSeq ORF:	1161 bp
Locus ID:	13611
UniProt ID:	Q9Z0L1
Cytogenetics:	10 C1
Gene Summary:	This gene encodes a member of the G-protein coupled receptor 1 family. The encoded protein is a receptor for the lysophospholipid sphingosine 1-phosphate. The encoded protein is one of the predominant sphingosine 1-phosphate G-protein coupled receptors expressed in T cells, and it plays a role in suppression of T cell proliferation, generation of cytokines, and potentially other aspects of immune activation. [provided by RefSeq, Feb 2010]